

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P20687		Serial No. 09/843,939	
<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center; margin-right: 10px;"> O I P E JUL 30 2001 PATENT & TRADEMARK OFFICE </div> <div> INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) </div> </div>				Applicant K. YASUNAGA et al.			
				Filing Date April 30, 2001		Group 2645 2655	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	TRANSLATION YES NO
		7	2 9 5	5 9 8	11/10/95	JAPAN	
		6	2 0 2	6 9 7	07/22/94	JAPAN	
		2	- 1 2	3 0 0	01/17/90	JAPAN	
	8	-	0 4 4	4 0 0	02/16/96	JAPAN	
		8	0 1 6	1 9 6	01/19/96	JAPAN	
		6	1 7 5	6 9 5	06/24/94	JAPAN	
		8	0 0 6	6 0 0	01/12/96	JAPAN	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	1	M.R. SCHROEDER et al., "Code-Excited Linear Prediction (CELP): High-Quality Speech at Very Low Bit Rates", Proc. ICASSP, pp. 937-940 (1985).					
	2	R. SALAMI et al., "8KBIT/SACELP Coding of Speech With 10 MS Speech-Frame: A Candidate for CCITT Standardization", ICASSP, pp. II-97 to II-100 (1994).					
	3	LINDE et al., "An Algorithm For Vector Quantizer Design", IEEE Transactions On Communications, Vol. Com-28, No. 1, pp.84-95 (1980).					
	4	MIKI et al., "A PITCH SYNCHRONOUS INNOVATION CELP (PSI-CELP) CODER FOR 2-4 KBIT/S", 1994, IEEE, pp. II-13 to II-116 (1994).					
	5	An English Language abstract of JP 7-295598.					
	6	An English Language abstract of JP 6-202697.					
	7	An English Language abstract of JP 2-12300.					
	8	An English Language abstract of JP 8-044400.					
	9	An English Language abstract of JP 8-016196.					
	1 0	An English Language abstract of JP 6-175695.					
	1 1	An English Language abstract of JP 8-006600.					
	1 2	An English Language abstract of JP 8-279757.					
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<div style="position: absolute; left: -100px; top: 50px; border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;"> O I P E JUL 30 2001 PATENT & TRADEMARK OFFICE </div> INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant K. YASUNAGA et al.			
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R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MO		5 2 9 3 4 4 9	03/08/94	TZENG			
MO		5 4 2 8 5 6 1	06/27/95	BRYANT et al.			
FOREIGN PATENT DOCUMENTS							
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		0 6 8 0 0 3 2	11/02/95	EPO			
		5 2 8 1 9 9 9	10/29/93	JAPAN			
MO		0 4 8 8 7 5 1	06/03/92	EPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
MO	1 3	An English Language abstract of JP 9-6396.					
	1 4	An English Language abstract of JP 5-281999.					
	1 5	International Communication Union, "Series G: Transmission Systems and Media, Digital systems and Networks- Coding of speech at 8kbit/s using Conjugate Structure Algebraic Code Excited Linear-Prediction (CS-ACELP); Annex D: 64 kbit/s S-ACELP speech coding algorithm, published September 1998.					
	1 6	SALAMI et al., "Real-Time Implementation of a 9.6Kbit/s ACELP Wideband Speech Coder." Proceedings of the Global Telecommunications Conference, U.S. New York, IEEE, vol.-, 1992, pages 447-451.					
	1 7	KIM et al., "A Complexity Reduction Method for VSELP Coding Using Overlapped Sparse Basis Vectors." Proceedings of the International Conference on Sigal Processing Application and Technology, October 18, 1994.					
MO	1 8	MILLAR et al., "A Multipulse Speech Codec for Digital Cellular Mobile Phone Use." Proceedings on the Workshop on Speech Coding for Telecommunications, U.S., Boston, Kluwer, vol. -, 1989, pages 87-96.					
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April 30, 2001Group
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U.S. PATENT DOCUMENTS

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<i>mw</i>	5 0 6 0 2 6 9	10/22/91	ZINZER			
<i>l</i>	5 3 9 6 5 7 6	03/07/95	MIKI et al.			
<i>l</i>	5 3 7 1 8 5 3	12/06/94	KAO et al.			
<i>mw</i>	6 1 1 5 6 8 7	09/05/00	TANAKA et al.			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>mw</i>	2	1	Article by Laflamme et al., entitled "On Reducing Computational Complexity of Codebook Search in CELP Codes Through the Use of Algebraic Codes", IEEE IACSSP-90.

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